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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known Application Number 09/933,639	
		Filing Date 2001-08-20	
		First Named Inventor HSU, RAYMOND T.	
		Art Unit 2467	
		Examiner Name DUONG, DUC T	
Sheet 1 of 14	Attorney Docket No: 010498		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ^{2(a)} (if known)			
	001	US6574211	06-03-2003	PADOVANI, et al.	
	002	US4163255	07-31-1979	PIRES, H. George.	
	003	US4750167	06-07-1988	MEYER, Charles S.	
	004	US4870408	09-26-1988	ZDUNEK, Kenneth J. et al.	
	005	US4901307	02-13-1990	GILHOUSEN, Klein S. et al.	
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	007	US5136586	08-04-1992	GREENBLATT, Richard D.	
	008	US5159447	10-27-1992	HASKELL, Barin G. et al.	
	009	US5164988	11-17-1992	MATYAS, Stephen M. et al.	
	010	US5237612	08-17-1993	RAITH, Alex K.	
	011	US5241598	08-31-1993	RAITH, Krister A.	
	012	US5257396	10-26-1993	AULD, Jr. Frederick H. et al.	
	013	US5325357	06-28-1994	KIMOTO, Atsushi. et al.	
	014	US5351087	09-27-1994	CHRISTOPHER, Todd J. et al.	
	015	US5363379	11-08-1994	ECKENRODE, Thomas. et al.	
	016	US5369784	11-29-1994	NELSON, Dan R.	
	017	US5371794	12-06-1994	DIFFIE, Whitfield. et al.	
	018	US5412655	05-02-1995	YAMADA, Kenji. et al.	
	019	US5504773	04-02-1996	PADOVANI, Roberto. et al.	

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 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. † Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST-16 if possible. ‡ Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1480, Alexandria, VA 22313-1450.

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		Number-Kind Code ² (if known)			
	020	US5513245	04-30-1996	MIZIKOVSKY, Semyon. et al.	
	021	US5515441	05-07-1996	FAUCHER, David W.	
	022	US5686963	11-11-1997	UZ, K. Metin. et al.	
	023	US5748736	05-05-1998	MITTRA, Suvo.	
	024	US5751725	05-12-1998	CHEN, Tao.	
	025	US5758291	05-26-1998	GRUBE, Gary W. et al.	
	026	US5774496	06-30-1998	BUTLER, Brian K. et al.	
	027	US5778059	07-07-1998	LOGHMANI, Masoud. et al.	
	028	US5778187	07-07-1998	MONTEIRO, Antonio M. et al.	
	029	US5850444	12-15-1998	RUNE, Johan.	
	030	US5923649	07-13-1999	RAITH, Alex Krister.	
	031	US5946316	08-31-1999	CHEN, Xiaoqiang. et al.	
	032	US5970072	10-19-1999	GAMMENTHALER, Jr. Robert Scott. et al.	
	033	US6021124	02-01-2000	HAARTSEN, Jacobus C.	
	034	US6047395	04-04-2000	ZOOK, Christopher P.	
	035	US6052812	04-18-2000	CHEN, Zongbo. et al.	
	036	US6055314	04-25-2000	SPIES, Terence R. et al.	
	037	US6097817	08-01-2000	BILGIC, Izzet M. et al.	
	038	US6148010	11-14-2000	SUTTON, Todd. et al.	
	039	US6185430	02-06-2001	YEE, David Moon. et al.	

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		Number-Kind Code ² (if known)			
	040	US6240091	05-29-2001	GINZBOORG; Philip. et al.	
	041	US6253069	06-26-2001	MANKOVITZ; Roy J.	
	042	US6295361	09-25-2001	KADANSKY; Miriam C. et al.	
	043	US6363480	03-26-2002	PERLMAN; Radia J.	
	044	US6373829	04-16-2002	VILMUR; Richard Joseph.	
	045	US6385200	05-07-2002	ERAMI; Akihisa. et al.	
	046	US6385461	05-07-2002	RAITH; Alex Krister.	
	047	US6424717	07-23-2002	PINDER; Howard G. et al.	
	048	US6449491	09-10-2002	DAILEY; Timothy E.	
	049	US6473858	10-29-2002	SHIMOMURA; Tsutomu. et al.	
	050	US6477377	11-05-2002	BACKSTROM; Olof Tomas. et al.	
	051	US6490259	12-03-2002	AGRAWAL; Prathima. et al.	
	052	US6560206	05-06-2003	NADEN; James M. et al.	
	053	US6564211	05-13-2003	ANDREEV; Alexander E. et al.	
	054	US6598203	07-22-2003	TANG; Benjamin.	
	055	US6600745	07-29-2003	CHOPPING; Geoffrey.	
	056	US6601068	07-29-2003	PARK; Hyung Soo.	
	057	US6606706	08-12-2003	LI; Yunzhou.	
	058	US6647000	11-11-2003	PERSSON; Bengt. et al.	

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		Number-Kind Code ^{2(a)} (known)			
	059	US6658463	12-02-2003	DILLON; Douglas M. et al.	
	060	US6680920	01-20-2004	WAN; Yongbing.	
	061	US6704368	03-09-2004	NEFEDOV; Nikolai	
	062	US6704369	03-09-2004	KAWASAKI; Naoto. et al.	
	063	US6735177	05-11-2004	SUZUKI; Mitsutaka	
	064	US6751218	06-15-2004	HAGIRAHIM; Hassan. et al.	
	065	US6766024	07-20-2004	RIX; Simon Paul Ashley.	
	066	US6781999	08-24-2004	EYUBOGLU; M. Vedat et al.	
	067	US6788681	09-07-2004	HURREN; Alan J. et al.	
	068	US6798791	09-28-2004	RIAZI; Habib. et al.	
	069	US6801508	10-05-2004	LIM; Byung Keun.	
	070	US6862684	03-01-2005	DIGIORGIO; Rinaldo.	
	071	US6870923	03-22-2005	YI; Seung-hee.	
	072	US6879573	04-12-2005	HUO; David D.	
	073	US6879690	04-12-2005	FACCIN; Stefano. et al.	
	074	US6882850	04-19-2005	MCCONNELL; Von K. et al.	
	075	US6885874	04-26-2005	GRUBE; Gary W. et al.	
	076	US6895216	05-17-2005	SATO; Hijin. et al.	
	077	US6898285	05-24-2005	HUTCHINGS; George T. et al.	
	078	US6918035	07-12-2005	PATEL; Sarvar.	

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		Number-Kind Code ^{2(a)} (if known)			
	079	US6925285	08-02-2005	KIM; Jae-Geun.	
	080	US6959384	10-25-2005	SERRET-AVILA; Xavier.	
	081	US7016351	03-21-2006	FARINACCI; Dino. et al.	
	082	US7039180	05-02-2006	ISSAA; Michael A. et al.	
	083	US7069436	06-27-2006	AKACHI; Masateru.	
	084	US7079502	07-18-2006	YAMANO; Shigeki. et al.	
	085	US7114175	09-26-2006	LAHTENMAKI; Markku.	
	086	US7181620	02-20-2007	HUR; Matthew.	
	087	US7209459	04-24-2007	KANGAS; Antti.	
	088	US7215775	05-08-2007	NOGUCHI; Tetsuya. et al.	
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	091	US20030072384	04-17-2003	CHEN, Tao et al.	
	092	US20050008159	01-13-2005	GRILLI, Francesco, et al.	
	093	US20010004761	06-21-2001	ZEHAVI; Ephraim.	
	094	US20020014159	02-07-2002	TATSUMI; Yasuo. et al.	
	095	US20020071558	06-13-2002	PATEL; Sarvar.	
	096	US20020076195	06-20-2002	NAKAJIMA; Yasuhisa. et al.	
	097	US20020080887	06-27-2002	JEONG; Young-Ho. et al.	
	098	US20020102964	08-01-2002	PARK; Hyung Sun.	
	099	US20020169724	11-14-2002	MORONEY; Paul. et al.	

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	100	US20030030581	02-13-2003	ROY; Aloke.	
	101	US20030031322	02-13-2003	BECKMANN; Mark. et al.	
	102	US20030035389	02-20-2003	CHEN; Tao. et al.	
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	104	US20030054807	03-20-2003	HSU; Liangchi. et al.	
	105	US20030087653	05-08-2003	LEUNG; Nikolai K.N. et al.	
	106	US20030101401	05-29-2003	SALVI; Rohan S. et al.	
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	112	US20040022216	02-05-2004	SHI; Guangming Carl.	
	113	US20040095515	05-20-2004	TAJIMA; Teruo.	
	114	US20040101138	05-27-2004	REVITAL; Dan. et al.	
	115	US20040131185	07-08-2004	KAKUMER; Anil K.	
	116	US20040132402	07-08-2004	AGASHE; Parag A. et al.	
	117	US20040151317	08-05-2004	HYPPA; Timo. et al.	
	118	US20040199474	10-07-2004	RITTER; Rudolf.	
	119	US20040243808	12-02-2004	ISHIGURO; Ryuji. et al.	
	120	US20040266391	12-30-2004	HAFREN; Jonas.	

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	122	US20050055551	03-10-2005	BECKER; Claudia. et al.	
	123	US20050063544	03-24-2005	UUSITALO, Ilkka. et al.	
	124	US20050108563	05-19-2005	BECKER; Claudia. et al.	
	125	US20050144550	06-30-2005	JEON; Ik Beom. et al.	
	126	US20050165711	07-28-2005	HAMATSU; Makoto	
	127	US20050238315	10-27-2005	KATAOKA; Mitsuteru.	
	128	US20070116282	05-24-2007	HAWKES; Philip Michael et al.	
	129	US20070280169	12-06-2007	CAM WINGET, Nancy	

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	130	WO00013356	03-09-2000	MOTOROLA INC [US]	
	131	WO98025422	06-11-1998	NOKIA TELECOMMUNICATIONS OY [FI]	
	132	JP2003124927	04-25-2003	SONY CORP	

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Substitute for form 1449PTO		Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/933 639	
		Filing Date	2001-08-20	
		First Named Inventor	HSU, RAYMOND T.	
		Art Unit	2467	
		Examiner Name	DUONG, DUC T	
Sheet	8	of	14	Attorney Docket No. 010498

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	133	EP0702477A2	03-20-1996	SUN MICROSYSTEMS INC [US]		<input type="checkbox"/>
	134	EP0748058A2	12-11-1996	AT & T CORP		<input type="checkbox"/>
	135	EP0813309A2	12-17-1997	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	136	EP0854618A2	07-22-1998	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	137	EP0924898A1	06-23-1999	INST NAT RECH INF AUTOMAT [FR]		<input type="checkbox"/>
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	142	EP1098446A2	05-09-2001	MITSUBISHI ELECTRIC CORP [JP]		<input type="checkbox"/>
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	144	EP1190526A1	03-27-2002	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
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	146	JP10200536A	07-31-1998	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	147	JP11355460A	12-24-1999	MEIDENSHA ELECTRIC MFG CO LTD		<input checked="" type="checkbox"/>
	148	JP2000165258A	06-16-2000	YRP IDO TSUSHIN KIBAN GIJUTSU, ET AL.		<input checked="" type="checkbox"/>
	149	JP2001136507A	05-18-2001	SONY CORP.		<input checked="" type="checkbox"/>

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		Application Number	09/933,639	
		Filing Date	2001-08-20	
		First Named Inventor	HSU, RAYMOND T	
		Art Unit	2467	
		Examiner Name	DUONG, DUC T	
Sheet	9	of	14	Attorney Docket No: 010498

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	150	JP2001177564A	06-29-2001	HITACHI LTD.		<input checked="" type="checkbox"/>
	151	JP2002064785A	02-28-2002	SONY CORP.		<input checked="" type="checkbox"/>
	152	JP2002232418A	08-16-2002	LUCENT TECHNOLOGIES INC.		<input checked="" type="checkbox"/>
	153	JP2003099327A	04-04-2003	AKASE YOICHI		<input checked="" type="checkbox"/>
	154	JP2003259284A	09-12-2003	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	155	JP2003297015A	10-17-2003	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	156	JP2004048718A	02-12-2004	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	157	JP5216411A	08-27-1993	IBM		<input checked="" type="checkbox"/>
	158	JP000513519	10-10-2000	NOKIA TELECOMMUNICATIONS OY.		<input checked="" type="checkbox"/>
	159	JP10063598A	03-06-1998	NIPPON TELEGRAPH & TELEPHONE CORP. <. ET AL.		<input checked="" type="checkbox"/>
	160	JP11313059A	11-09-1999	NIPPON TELEGRAPH & TELEPHONE CORP. <. ET AL.		<input checked="" type="checkbox"/>
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	163	JP2002505458T	02-19-2002	TELEFONAKTIEBOLAGET ERICSSON LM.		<input checked="" type="checkbox"/>
	164	JP2002621879T	07-16-2002	CANAL SOCIETE ANONYME		<input checked="" type="checkbox"/>
	165	JP2003339000A	11-28-2003	NEC CORP.		<input checked="" type="checkbox"/>

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		Country Code ² Number ³ Kind Code ⁴ (if known)				
	166	KR200130725	04-16-2001	TELEFONAKTIEBOLAGET LM.		<input checked="" type="checkbox"/>
	167	RU2187205C2	08-10-2002	SAMSUNG ELECTRONICS CO LTD [KR]		<input checked="" type="checkbox"/>
	168	WO0004718A1	01-27-2000	CANAL PLUS SA [FR]. ET AL.		<input type="checkbox"/>
	169	WO0008883A1	02-17-2000	ERICSSON INC [US]		<input type="checkbox"/>
	170	WO0057601A1	09-28-2000	NOKIA NETWORKS OY [FI]. ET AL.		<input type="checkbox"/>
	171	WO0062547A1	10-19-2000	OPENTV INC [US]		<input type="checkbox"/>
	172	WO0076125A1	12-14-2000	NORTEL NETWORKS LTD [CA]		<input type="checkbox"/>
	173	WO0078008A1	12-21-2000	SSH COMM SECURITY LTD [FI]. ET AL.		<input type="checkbox"/>
	174	WO02080454A2	10-10-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	175	WO0247407A2	06-13-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	176	WO03063418A1	07-31-2003	QUALCOMM INC [US]		<input type="checkbox"/>
	177	WO2004025895A1	03-25-2004	ERICSSON TELEFON AB L M [SE]. ET AL.		<input type="checkbox"/>
	178	WO9716890A2	05-09-1997	ERICSSON GE MOBILE INC [US]		<input type="checkbox"/>
	179	WO9944114A1	09-02-1999	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	180	WO9959355A2	11-18-1999	NOKIA NETWORKS OY [FI]. ET AL.		<input type="checkbox"/>
	181	WO00072609	11-30-2000	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>

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	182	"Functional Model of a Conditional Access System", EBU Review - Technical: European Broadcasting Union, Brussels, BE, No.266; Dec 21, 1995; pgs 64-77; XP000559450.	
	183	3G TS 25.213 V4.1.0 (2001-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Spreading and Modulation (FDD)(Release 4).	
	184	3GPP TS 25.211 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD)(Release 4).	
	185	3GPP TS 25.212 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Multiplexing and Channel Coding (FDD)(Release 4).	
	186	3GPP TS 25.214 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD)(Release 4).	
	187	3GPP2 C.S0002-0 Version 1.0 (1999-07) 3rd Generation Partnership Project 2 "3GPP2" Physical Layer Standard for cdma2000 Spread Spectrum Systems.	
	188	AL-TAVIL, "A New Authentication Protocol for Roaming Users in GSM", Proceedings for IEEE International Symposium on Computers and Communications, 6 July 1999, pp 93-99.	
	189	PANNETRAT et al., Authenticating Real-Time Packet Streams And Multicasts, 2002 IEEE. Computers and Communications, 2002. Proceedings. ISCC 2002. Seventh International Symposium on, pp 490 - 495.	
	190	B. G. MARCHENT et al. "Intelligent Control of Mobile Multimedia Systems" Vehicular Technology Conference 1998. VTC 98. 48th IEEE Ottawa, Canada, May 18-21 1998; New York, USA, May 18, 1998, pages 2047-2051.	
	191	BACCELLI, F. et al: "SELF ORGANIZING HIERARCHICAL MULTICAST TREES AND THEIR OPTIMIZATION," INFOCOM 1999. IEEE, 1081-1089 (21 MARCH 1999).	
	192	BAUGHER et al: "The Secure Real Time Transport Protocol (Draft 09)" INTERNET ENGINEERING TASK FORCE, AVT WORKING GROUP, INTERNET -DRAFT, July 2003, XP002320685.	
	193	BORMANN, C., et al. "Robust Header Compression (ROHC)" Internet Draft, December 2000, pgs 1-122, XP002901751 (pp 4-5).	
	194	BORMANN, et al., "Robust Header Compression (ROHC)," Internet Engineering Task Force IETF Draft, 1-145, Feb. 26, 2001.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	09/933 639	
		Filing Date	2001-08-20	
		First Named Inventor	HSU, RAYMOND T.	
		Art Unit	2467	
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	195	BROWN, "The Electronic Post It Note Model for Mobile Computing Applications," Computing Lab, The University, Canterbury, Kent, The Institution of Electrical Engineers, IEEE, Savoy Place, London, WC2R 0BL, UK	
	196	ESTRIN, et al., "The Protocol Independent Multicast-Sparse Mode (PIM-SM)," RFC 2362, June 1998.	
	197	ETSI, "Universal Mobile Telecommunications Systems (UMTS); Multimedia Broadcast/Multicast Service (MBMS); Stage 1, 3GPP TS 22.146 version 5.2.0 Release 5", ETSI TS 22 146 v5.2.0, pages 1-15, 03/2002.	
	198	GONG, L. et al: "TRADE-OFFS IN ROUTING PRIVATE MULTICAST TRAFFIC," GLOBAL TELECOMMUNICATIONS CONFERENCE, 1995. IEEE, 2124-2128 (13 NOV 1995).	
	199	KALLIOKULJU J.: "User Plane Architecture of 3rd Generation Mobile Telecommunication Network," IEEE International Conferences on Networks, ICON, Proceedings on Networks (ICON'99), 28 September 1999 (1999-09-28) - 1 October 1999 (1999-10-01), pgs. 270-278, XP010354980.	
	200	LIN, et al: "A Multicast Routing Protocol for Multichip Wireless Networks," Dept. of Computer Science and Information Engineering, Chung Cheng University, Taiwan, GLOBAL TELECOMMUNICATIONS CONFERENCE, XP010373304.	
	201	LOU et al., "Progressive Video Streaming Over 2G and 3G Wireless Systems," PROCEEDINGS OF THE 11TH IEEE INTERNATIONAL SYMPOSIUM ON PERSONAL INDOOR AND MOBILE RADIO COMMUNICATIONS, vol.2, September 18-21, 2000, London, pages 1550-1554.	
	202	MEIER J D et al: "Building Secure ASP.NET Applications: Authentication, Authorization, and Secure Communication: Cryptography and Certificates" MICROSOFT PATTERNS & PRACTICES, November 2002, pages 1-5. XP002321827.	
	203	MIYAZAKI: "A Stream-data Multicast Protocol Using IP Unicast Address" Technical Report of IEICE, IN2001-9, May 11, 2001.	
	204	MOY, "Multicast Extensions to OSPF," RFC 1584, March 1994.	
	205	PAUL K et al: "A STABILITY-BASED DISTRIBUTED ROUTING MECHANISM TO SUPPORT UNICAST AND MULTICAST ROUTING IN AD HOC WIRELESS NETWORK" COMPUTER COMMUNICATIONS, ELSEVIER SCIENCE PUBLISHERS BV.	

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		AMSTERDAM, NL, VOL. 24, NO. 18, 1 DEC 2001, PAGES 1828-1845, XP0043.	
	206	TAKAHASHI: "Prospect of Push type Information Providing Service/Technology," Information Processing, Vol. 39, No. 11, November 15, 1998, pp. 1124 - 1131.	
	207	TIA/EIA/IS-856 Interim Standard cdma2000 High Rate Packet Data Air Interface Specification (2000-11).	
	208	TIA/EIA/IS-95-A (Revision of TIA/EIA/IS-95) Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System (1995-05).	
	209	TOH C-K et al: "ABAM: ON-DEMAND ASSOCIATIVITY-BASED MULTICAST ROUTING FOR AD HOC MOBILE NETWORKS." VEHICULAR TECHNOLOGY CONFERENCE, 2000. IEE, 987-993 (2000).	
	210	WAITZMAN, et al., "The Distance Vector Multicast Routing Protocol (DVMRP)," RFC 1075, Nov. 1, 1998.	
	211	YANG et al. "AN EFFICIENT MULTICAST DELIVERY SCHEME TO SUPPORT MOBILE IP," DATABASE AND EXPERT SYSTEMS APPLICATIONS, 1999. IEEE, 638-88 (1 SEPTEMBER 1999)	
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